

**DIGITAL RECEIVERS AND RECEIVING METHODS THAT SCALE FOR  
RELATIVE STRENGTHS OF TRAFFIC AND PILOT CHANNELS DURING  
SOFT HANDOFF**

**Abstract of the Disclosure**

Digital receivers and receiving methods scale for relative strengths of traffic and pilot channels during soft handoff. In particular, spread spectrum signals are processed from traffic channels and pilot channels by receiving data samples from traffic channels and pilot channels. Detection statistics are obtained from the received data samples that correspond to information symbols while accounting for the relative strengths of the traffic channels and the pilot channels. The detection statistics are preferably obtained by performing Rake combining while accounting for the relative strengths of the traffic channels and the pilot channels.

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